

**METHOD AND WAVE-ENERGY INSTALLATION FOR TRANSFORMATION OF WAVE ENERGY.**

Patent Number: EP0483357

Publication  
date:

1992-05-06

Inventor(s):

KOLP ALBERT YAKOVLEVICH (SU); MARIINA NAILYA BAIDAROVNA (SU); KOLP YAKOV ALBERTOVICH (SU); PECHENKIN LEONID ALEXANDROVICH (SU); VALIEV BAIDAR GARIFOVICH (SU)

Applicant(s):

MARIINA NAILYA BAIDAROVNA (SU); KOLP ALBERT Y (SU); KOLP YAKOV A (SU); PECHENKIN LEONID ALEXANDROVICH (SU); VALIEV BAIDAR GARIFOVICH (SU)

Requested  
Patent:☐ EP0483357, A4, B1Application  
Number:

EP19900910979 19900522

Priority Number  
(s):

WO1990SU00131 19900522; SU19894708041 19890706; SU19894752620 19891102

IPC

Classification:

F03B13/18

EC

Classification:

F03B13/18D6, F03B13/20

Equivalents:

AU5962390, AU652718, BR9007505, DE59009480D, JP5502708T, ☐ WO9100962

Cited

Documents:

---

**Abstract**

---

The process for the conversion of wave energy is performed by means of a wave energy installation, which contains a float (1), in proximity to which vertical guides (7) are arranged, which absorb the wave oscillations to a minimal degree, an oscillation generator (2) with flyweights (3) being provided, which move on a predetermined path with acceleration. The interaction of the oscillation generator (2) with the float (1) and the guides (7) occurs in such a way that during each cycle in the rise and fall of the float (1) on the wave, the flyweights (3) rotate more than once about their axis (4), whilst the axis of rotation (4) of the flyweights (3) are repeatedly displaced under the action and in the direction of the action of the float (1), at least one displacement of the axis of rotation (4) occurring during each full revolution of the flyweights (3) about the axis (4) within a given period of time, whilst at each change in the rise and fall cycle of the float (1) on the wave the direction of movement of the axis of rotation (4) of the flyweights (3) is reversed whilst maintaining the energy stored in the flyweights (3). The energy is drawn from the flyweights (3) during the cycle of the rise and fall of the float (1) on the wave. The invention has applications in energetics for the effective

conversion of wave energy into electrical energy.



---

Data supplied from the esp@cenet database - I2